

Title (en)  
SOLID OXIDE FUEL CELL

Title (de)  
FESTOXIDBRENNSTOFFZELLE

Title (fr)  
PILE A COMBUSTIBLE A OXYDE SOLIDE

Publication  
**EP 2006944 A4 20111130 (EN)**

Application  
**EP 07740525 A 20070330**

Priority  
• JP 2007057089 W 20070330  
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Abstract (en)  
[origin: EP2006944A2] The present invention is directed to a long-life solid oxide fuel cell in which excellent electric conductivity can be maintained between power generation cells even in a long-term use. A protective plate (20) composed of Ni or Cu is joined to a surface of a metal separator (8) on the side of a fuel electrode layer (3) by diffusion joining. Since a fuel gas does not intrude into the joined portion between both the members, and Ni and Cu are significantly excellent in high temperature oxidation resistance, the separator (8) is surely protected from the fuel electrode atmosphere by the protective plate (20), and growth of a high temperature oxidation coating is blocked. Consequently, excellent electric conductivity can be maintained in a long-term use.

IPC 8 full level  
**H01M 8/02** (2006.01); **H01M 8/12** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
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